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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/288,478	04/08/1999	SAMIR KAPOOR	P/3341-4	7548

2352 7590 10/11/2002

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EXAMINER

YEH, EDITH M

ART UNIT	PAPER NUMBER
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2634

DATE MAILED: 10/11/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/288,478

Applicant(s)

KAPOOR ET AL.

Examiner

Edith M Yeh

Art Unit

2634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 April 1999.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-6, 8-13, 15-18, 20-23, 29-30, 32, 35-36 and 38-46 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 7, 14, 19, 24-28, 31, 33-34, and 37 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

1. The disclosure is objected to because of the following informalities: Page 3 line 12-13, the “IFFT modulator 16” should be “IFFT modulator 14”; Page 21 line 13, “data path 10’ ” should be “data path 100’ ”. Appropriate correction is required.

### *Claim Objections*

2. Claims 7, 14, 19, 24-28, 31, 33-34, & 37 are objected to because of the following informalities:

Claim 7, line 3, the term “said second path” should be “said second data path”;

Claim 14, line 4-5, the term “said demodulated output” should be “the demodulated output”;

Claim 19, line 3-4, the term “the time domain equalizer” should be “a time domain equalizer”.

Claim 24, line 6, the term “comprising” should be “comprising the steps”;

Claim 25, line 1, the term “comprising” should be “comprising a step of”;

Claim 26, line 3, the term “the selected” should be “a selected”;

Claim 27, line 2, the term “the sliced” should be “a sliced”;

Claim 28, line 3, the term “comprises applying” should be “comprises a step of applying”;

Claim 31, line 1, the term “comprising” should be “comprising a step of”;

Claim 33, line 3, the term “comprises applying” should be “comprises a step of applying”;

Claim 34, line 1-2, the term “comprising performing” should be “comprising a step of”;

Claim 37, line 2, the term “into the demodulated” should be “into a demodulated”;

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Appropriate correction is required.

***Allowable Subject Matter***

3. Claims 1-46 are allowed.
4. Claims 7, 14, 19, 24-28, 31, 33-34, and 37 are objected to the informalities, but would be allowable if rewritten to overcome the objections.
5. The following is a statement of reasons for the indication of allowable subject matter:  
  
With respect to claims 1 and 24, none of the prior art, teach or fairly suggest, a second data path of windowing for suppressing side lobes of the output of the first stage which comprises a FT and a FEQ in the first data path, both data paths are coupled to the input signal; and a logic stage to select an output from one of the data paths based on a predefined test.

***Conclusion***

6. This application is in condition for allowance except for the following formal matters:  
  
the informalities mentioned above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M Yeh whose telephone number is 7033053416. The examiner can normally be reached on M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 7033054714. The fax phone numbers for the organization where this application or proceeding is assigned are 7038729314 for regular communications and 7038729314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 7033054800.

Edith Yeh  
October 2, 2002



**STEPHEN CHIN**  
**SUPERVISORY PATENT EXAMINER**  
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